

ATTACHMENT

A

BUILDING LIST
CRODA, ATLAS POINT SITE

- 1 MAIN OFFICE AND LABS
- 2 TRAINING FACILITY
- 4.72 STORAGE TANK
- 7 WATER TANK AND TOWER
- 47 GASOLINE SERVICE PUMPS AND TANKS
- 80 FORMER MAINT. SHOPS, STOREROOM, CHANGE HOUSE
- 85 PO FIRE PROTECTION AND OXIDE ALARMS BLDG.
- 86 CHANGE HOUSE
- 88 WILLIAM C. GRIFFIN INNOVATION CENTER
- 90 ELECTRIC SUBSTATION NO.3
- 97 POWERHOUSE
- 99 FUEL OIL STORAGE TANK DIKE
- 100 STOREROOM
- 101 MAINTENANCE BLDG. & AUTO SHOP
- 104 MCC - SULFONATION - LOADING& UNLOADING
- 107 TRAIN CAR SCALE 1 HOUSE *ABANDONED*
- 109 SURFACTANTS DRUMMING AREA
- 110 4 KETTLE, MP1 AND LAB
- 111 FINISHED PRODUCT AND D.I. WATER
- 112 NO. 3 AND NO. 4 AUTOCLAVE BLDG.
- 115 SURFACTANTS RAW MATERIAL STORAGE
- 121 WELL NO.9 *FUJIFILM*
- 122 WELL NO.10 *TIC*
- 124 WELL NO.11
- 140 GUARD HOUSE - MAIN GATE
- 141 TRUCK SCALE HOUSE *ABANDONED*
- 143 GAS METER BLDG.
- 144 SUBSTATION - MOLASSES PREP. AREA
- 147 FIRE EQUIPMENT & AUXILIARY COMPRESSOR
- 148 CENTRAL SHIPPING WAREHOUSE
- 150 SORBO RAILCAR UNLOADING
- 151 TRUCK SCALE HOUSE
- 152 NO.5 SUBSTATION
- 153 STORAGE TANKS
- 156 PROPANE FUELING STATION
- 171 POWERHOUSE SUBSTATION
- 179 SORBO STORAGE TANKS
- 183 NO.1 SUBSTATION
- 185 PURCHASED WATER METER PIT

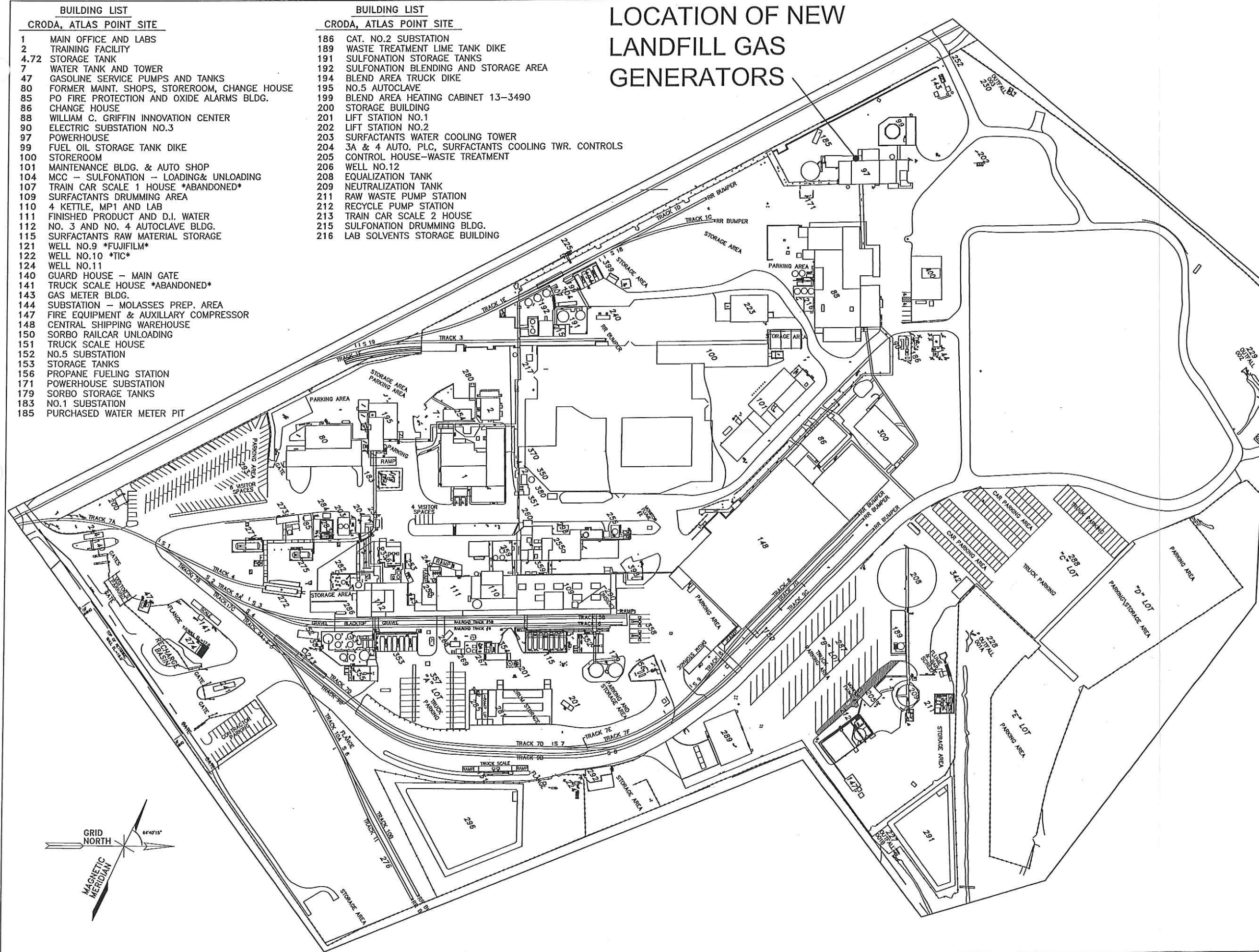
BUILDING LIST
CRODA, ATLAS POINT SITE

- 186 CAT. NO.2 SUBSTATION
- 189 WASTE TREATMENT LIME TANK DIKE
- 191 SULFONATION STORAGE TANKS
- 192 SULFONATION BLENDING AND STORAGE AREA
- 194 BLEND AREA TRUCK DIKE
- 195 NO.5 AUTOCLAVE
- 199 BLEND AREA HEATING CABINET 13-3490
- 200 STORAGE BUILDING
- 201 LIFT STATION NO.1
- 202 LIFT STATION NO.2
- 203 SURFACTANTS WATER COOLING TOWER
- 204 3A & 4 AUTO. PLC, SURFACTANTS COOLING TWR. CONTROLS
- 205 CONTROL HOUSE-WASTE TREATMENT
- 206 WELL NO.12
- 208 EQUALIZATION TANK
- 209 NEUTRALIZATION TANK
- 211 RAW WASTE PUMP STATION
- 212 RECYCLE PUMP STATION
- 213 TRAIN CAR SCALE 2 HOUSE
- 215 SULFONATION DRUMMING BLDG.
- 216 LAB SOLVENTS STORAGE BUILDING

LOCATION OF NEW LANDFILL GAS GENERATORS

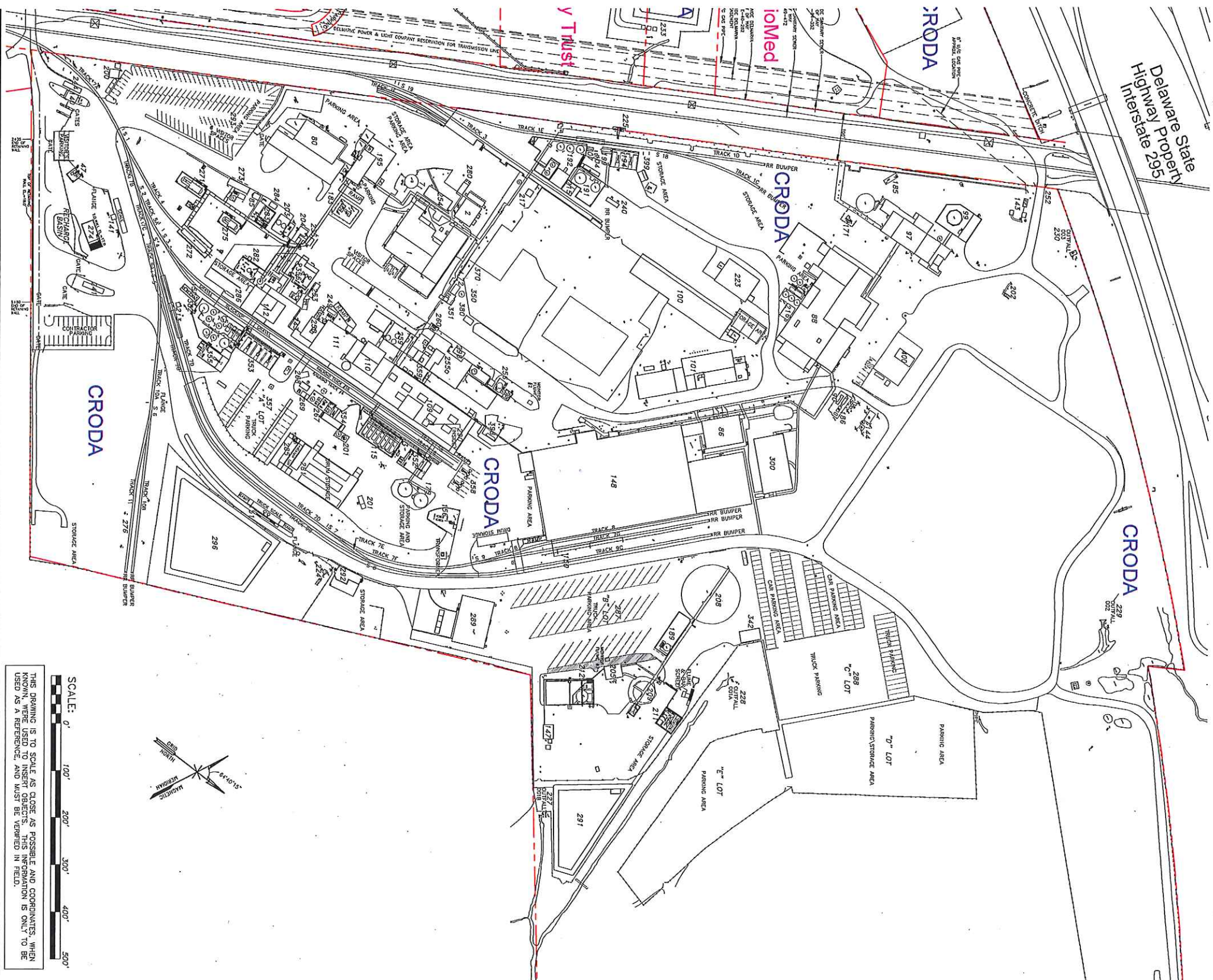
BUILDING LIST
CRODA, ATLAS POINT SITE

- 217 SULFONATION MOTOR CONTROL BLDG.
- 223 SPARE PARTS WAREHOUSE
- 224 LIFT STATION #3
- 225 LIFT STATION #4
- 227 OUTFALL 001B
- 228 OUTFALL 001A
- 229 OUTFALL 002
- 230 OUTFALL 003
- 231 OUTFALL 005
- 233 LIFT STATION #4A
- 235 NO. 3A & 4 AUTOCLAVE MCC
- 240 SULFONATION CONTROL ROOM
- 241 GUARD HOUSE
- 243 3A/4 A/ COLD PLC CABINET RM.
- 244 VISITORS/INCIDENT COMMAND TRAILER
- 249 MP1 CHILLER AREA
- 250 SPRAY TOWER
- 252 BACK GATE
- 253 3A/4 AUTOCLAVE GR.I CONTROL RM.
- 254 OFFICES
- 255 NO. 7 KETTLE PROCESS BLDG.
- 256 NO. 7 KETTLE COOLING TOWER
- 259 MP1 TANK FARM
- 260 NO. 7 KETTLE SUBSTATION
- 267 NITROGEN GENERATION & STORAGE
- 268 NITROGEN COOLING TOWER
- 269 NITROGEN C.T. CHEMICAL ADDITION
- 271 ETHYLENE OXIDE STORAGE TANK
- 272 E.O./P.O. UNLOADING PLATFORM
- 273 FIRE PROTECTION & INTERLOCK BLDG.
- 274 OXIDE SPILL SUMP
- 275 PROPYLENE OXIDE STORAGE TANK
- 276 OXIDE SPUR
- 280 FLAMMABLE MATERIALS STORAGE BLDG.
- 281 DIKED DRUM STORAGE PAD
- 282 NO. 3A AUTOCLAVE
- 283 3A AUTOCLAVE WATER COOLING TOWER
- 284 3A AUTOCLAVE WATER COOLING TOWER CHEMICAL ADDITION BLDG.
- 285 HAZARDOUS WASTE STORAGE AREA
- 286 INTERMEDIATES STORAGE AREA
- 287 "B" LOT, TRUCK PARKING
- 288 "C" LOT,
- 289 FLAMMABLE STORAGE WAREHOUSE
- 290 #7KETTLE UNLOADING CTRL RM. BLDG.
- 291 RAW WASTE DETENTION BASIN
- 292 DIKED TRASH AREA FOR PRESS CAKE
- 293 MAIN PARKING LOT
- 294 DETENTION BASIN BY OUTFALL 004
- 296 DETENTION BASIN BY OUTFALL 006
- 298 LIQUID NITROGEN TANK
- 300 OFFICES & LAB.
- 342 OFFICE TRAILER
- 350 MP1 COOLING TOWER
- 351 MP1 W.C.T. CHEM. ADD. BLDG.
- 352 7 KETTLE RUNWAY TRUCK DIKE
- 353 3A/4 AUTOCLAVE TRUCK DIKE
- 354 4 & 7 KETTLE TRUCK DIKE
- 355 3A/4 AUTO. STORAGE TK. TRUCK DIKE
- 356 3A/4 AUTO. COURTYARD TRUCK DIKE
- 357 "A" LOT, TRUCK PARKING
- 358 NORTH STEAM RACK
- 359 ULS TRUCK LOADING
- 370 LUBE ESTER TANK FARM (FUTURE)
- 380 SMOKING AREA
- 382 INTERMEDIATE TANK FARM PLC BLDG.
- 398 HEATING CABINETS
- 399 BLEND HEATING CABINET(13-3488)
- 400 SALT SHED



ATTACHMENT

D



ATTACHMENT

H

Applicant: Croda Inc.
Project: Combined Heat and Electric Power
Application Date: Sept. 22, 2011
CZA Offset Review Reference: (DNREC Only)

COASTAL ZONE ENVIRONMENTAL IMPACT OFFSET MATRIX

Page 1 of 1

Amendments:
Offset Review Date: (DNREC Use Only)
Matrix Amended:

ENVIRONMENTAL IMPACTS	(Applicant's Use) DESCRIBE ENVIRONMENTAL IMPACTS	PAGE NO.	(Applicant's Use) DESCRIBE ENVIRONMENTAL OFFSET PROPOSAL ¹	PAGE NO.	(DNREC Use Only) OFFSET SUFFICIENCY Yes, No or N/A
Air Quality (Applicant to List Below by Parameter)	Two new generators will create a new source of air emissions by utilizing landfill gas for the fuel	11	The project will offset the new emissions by the generators by eliminating current emissions of flaring the landfill gas at Cherry Island Landfill, reducing current croda boiler emissions by using generator exhaust heat to pre-heat Croda boiler feed water, and reducing utility electric generation emissions by avoidance of the purchase of 2 megawatts of electric on average per day.	23	
Water Quality	None	13-16	N/A		
Surface					
Groundwater					
Water Quantity	None	14-16	N/A		
Surface					
Groundwater					
Water Use For:	None	13-16	N/A		
Processing					
Cooling					
Effluent Removal					
Solid Waste	None	17	N/A		
Hazardous Waste	None	18	N/A		
Habitat	None	19-20	N/A		
Wetlands					
Flora Fauna					
Drainage/Flood Control	None	20	N/A		
Erosion ²	None	20	N/A		
Land Use Effects	None	21	N/A		
Glare	None				
Heat	The generators will produce approximately 6.378 MM BTU/hr heat energy from the engine exhaust and cooling loop system	21	The heat from the generators will be used to pre-heat boiler feed water at a heat recovery efficiency of 80%	23	
Noise	None				
Odors	None				
Vibration	None				
Radiation	None				
Electro-Magnetic Interference	None				
Other Effects	None				
Threatened & Endangered Species	None	19-20	N/A		
Impacts From:	None	9	N/A		
Raw Material					
Intermediate Products					
By-Products					
Final Products					

¹ See paragraph I.1.b in "Secretary Assessment"

² Construction and normal operation